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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
660088.434APPLICATION NO.
09/847,522

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Bradford W. Gibson et al.

FILING DATE

May 1, 2001

GROUP ART UNIT

1642 1743

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
AB			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MC	AC	/	Baynes, "Role of Oxidative Stress in Development of Complications in Diabetes," <i>Diabetes</i> 40(4):405-412, April 1991.
	AD	/	Baynes and Thorpe, "Role of Oxidative Stress in Diabetic Complications: A New Perspective on an Old Paradigm," <i>Diabetes</i> 48(1):1-9, January 1999.
	AE	/	Beavis and Chait, "High-Accuracy Molecular Mass Determination of Proteins Using Matrix-Assisted Laser Desorption Mass Spectrometry," <i>Analytical Chemistry</i> 62(17):1836-1840, September 1, 1990.
	AF	/	Beckman and Ames, "Endogenous Oxidative Damage of mtDNA," <i>Mutation Research</i> 424(1-2):51-58, March 8, 1999.
	AG	/	Beckman, "Oxidative Damage and Tyrosine Nitration from Peroxynitrite," <i>Chem. Res. Toxicol.</i> 9(5):836-844. 1996.
	AH	/	Berlett et al., "Carbon Dioxide Stimulates Peroxynitrite-Mediated Nitration of Tyrosine Residues and Inhibits Oxidation of Methionine Residues of Glutamine Synthetase: Both Modifications Mimic Effects of Adenylation," <i>P.N.A.S. USA</i> 95(6):2784-2789, March 17, 1998.
	AI	/	Biemann and Martin, "Mass Spectrometric Determination of the Amino Acid Sequence of Peptides and Proteins," <i>Mass Spectrometry Reviews</i> 6:1-76, 1987.
	AJ	/	Burlingame, "Mass Spectrometry," <i>Analytical Chemistry</i> 68(12):599R-651R,
MC	AK	/	Chaurand and Luetzenkirchen, "Peptide and Protein Identification by Matrix-Assisted Laser Desorption Ionization (MALDI) and MALDI-Post-Source Decay Time-of-Flight Mass Spectrometry," <i>J. American Society for Mass Spectrometry</i> 10(2):91-103, February 1999.

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MC	BC	Courchesne and Patterson, "Identification of Proteins by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Using Peptide and Fragment Ion Masses," <i>Methods in Molecular Biology</i> 112:487-511, 1999.
	BD	Cramer et al., "Analysis of Phospho- and Glycopolypeptides with Infrared Matrix-Assisted Laser Desorption and Ionization," <i>Analytical Chemistry</i> 70:4939-4944, 1998.
	BE	Crowley et al., "Isotope Dilution Mass Spectrometric Quantification of 3-Nitrotyrosine in Proteins and Tissues is Facilitated by Reduction to 3-Aminotyrosine," <i>Analytical Biochemistry</i> 259(1):127-135, May 15, 1998.
	BF	Dancik et al., "De novo Peptide Sequencing via Tandem Mass Spectrometry," <i>J. Computational Biology</i> 6(3-4):327-342, 1999.
	BG	Gillece-Castro and Stults, "Peptide Characterization by Mass Spectrometry," <i>Methods in Enzymology</i> 271:427-448, 1996.
	BH	Giulivi and Davies, "Dityrosine: A Marker for Oxidatively Modified Proteins and Selective Proteolysis," <i>Methods in Enzymology</i> 233:363-371, 1994.
	BI	Greis et al., "Identification of Nitration Sites on Surfactant Protein A by Tandem Electrospray Mass Spectrometry," <i>Archives of Biochemistry and Biophysics</i> 335(2):396-402, November 15, 1996.
	BJ	Halliwell and Gutteridge, <i>Free Radicals in Biology and Medicine</i> , 3 rd ed, Clarendon Press, Oxford UK. 1989, pp. 95-104.
	BK	Halliwell and Gutteridge, <i>Free Radicals in Biology and Medicine</i> , 3 rd ed, Clarendon Press, Oxford UK. 1989, pp. 313-322.
MC	BL	Halliwell and Gutteridge, <i>Free Radicals in Biology and Medicine</i> , 3 rd ed, Clarendon Press, Oxford UK. 1989, pp. 351-380.

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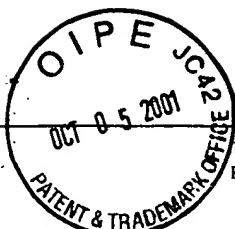
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MC	CC	/	Halliwell and Gutteridge, <i>Free Radicals in Biology and Medicine</i> , 3 rd ed, Clarendon Press, Oxford UK. 1989, pp. 413-422.
	CD	/	Halliwell and Gutteridge, <i>Free Radicals in Biology and Medicine</i> , Clarendon Press, Oxford UK. 1989, Chapter 9, "Free Radicals, Other Reactive Species and Disease," pp. 617-783.
	CE	/	Herce-Pagliai et al., "Analytical Methods for 3-Nitrotyrosine as a Marker of Exposure to Reactive Nitrogen Species: A Review," <i>Nitric Oxide: Biology and Chemistry</i> 2(5):324-336, 1998.
	CF	/	Jensen et al., "Peptide Sequencing of 2-DE Gel-Isolated Proteins by Nanoelectrospray Tandem Mass Spectrometry," <i>Methods in Molecular Biology</i> 112:571-588. 1999.
	CG		Kehrer, "Free Radicals as Mediators of Tissue Injury and Disease," <i>Critical Reviews in Toxicology</i> 23(1):21-48, 1993.
	CH	/	MacMillan-Crow and Thompson, "Immunoprecipitation of Nitrotyrosine-Containing Proteins," <i>Methods in Enzymology</i> 301:135-145, 1999.
	CI		MacMillan-Crow et al., "Peroxynitrite-Mediated Inactivation of Manganese Superoxide Dismutase Involves Nitration and Oxidation of Critical Tyrosine Residues," <i>Biochemistry</i> 37(6):1613-1622, February 10, 1998
MC	CJ	/	Maruyama et al., "Identification of 3-Nitro-L-Tyrosine, a Product of Nitric Oxide and Superoxide, as an Indicator of Oxidative Stress in the Human Brain," <i>J. of Chromatography B: Biomedical Applications</i> 676(1):153-158, February 9, 1996.

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MC	DC	/	Matsui et al., "Immobilized pH Gradient Two-Dimensional Gel Electrophoresis and Mass Spectrometric Identification of Cytokine-Regulated Proteins in ME-180 Cervical Carcinoma Cells," <i>Electrophoresis</i> 18:409-417, 1997.
	DD	/	Mecocci et al., "Oxidative Damage to Mitochondrial DNA Shows Marked Age-Dependent Increases in Human Brain," <i>Ann. Neurol.</i> 34(4):609-616. October, 1993.
	DE	/	Nelson et al., "Quantitative Determination of Proteins by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry," <i>Analytic Chemistry</i> 66(9):1408-1415, May 1, 1994.
	DF	/	Nelson et al., "Mass Spectrometric Immunoassay," <i>Analytic Chemistry</i> 67(7):1153-1158, April 1, 1995.
	DG	/	Shevchenko et al., "Mass Spectrometric Sequencing of Proteins Silver-Stained Polyacrylamide Gels," <i>Analytic Chemistry</i> 68(5):850-858, March 1, 1996.
	DH		Shevchenko et al., "Peptide Sequencing by Mass Spectrometry for Homology Searches and Cloning of Genes," <i>J. Protein Chemistry</i> 16(5):481-490, July 1997.
	DI	/	Traverso et al., "Immunological Evidence for Increased Oxidative Stress in Diabetic Rats," <i>Diabetologia</i> 41(3):265-270, March 1998.
MC	DJ	/	Yamakura et al., "Inactivation of Human Manganese-Superoxide Dismutase by Peroxynitrite is Caused by Exclusive Nitration of Tyrosine 34 to 3-Nitrotyrosine," <i>J. Biological Chemistry</i> 273(23):14085-14089, June 5, 1998.

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